

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/012965

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D231/14 C07D409/10 C07D405/10 C07D401/10 C07D231/12  
A61K31/415 A61P3/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/40207 A (GLAXO GROUP LIMITED; SIERRA, MICHAEL, LAWRENCE) 7 June 2001 (2001-06-07) cited in the application claims; examples	1-27
A	US 6 528 525 B1 (YANAGISAWA HIROAKI ET AL) 4 March 2003 (2003-03-04) table 1; compounds 1-62 table 2; compounds 2-84	1-27
A	WO 97/31907 A (GLAXO GROUP LIMITED; WILLSON, TIMOTHY, MARK; MOOK, ROBERT, ANTHONY, JR) 4 September 1997 (1997-09-04) cited in the application claims examples 25,61,63	1-27

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

2 March 2005

Date of mailing of the international search report

18/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Kollmannsberger, M

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 26,27 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/012965

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0140207	A	07-06-2001	AT 265442 T	15-05-2004
			AU 758758 B2	27-03-2003
			AU 2003001 A	12-06-2001
			BR 0016067 A	06-08-2002
			CA 2393190 A1	07-06-2001
			CN 1402716 A	12-03-2003
			CZ 20021903 A3	15-01-2003
			DE 60010333 D1	03-06-2004
			DK 1244642 T3	16-08-2004
			WO 0140207 A1	07-06-2001
			EP 1244642 A1	02-10-2002
			ES 2219423 T3	01-12-2004
			HK 1047435 A1	26-11-2004
			HU 0203532 A2	28-02-2003
			JP 2003515597 T	07-05-2003
			MX PA02005456 A	29-11-2002
			NO 20022467 A	26-07-2002
			PL 356772 A1	12-07-2004
			PT 1244642 T	30-09-2004
			SI 1244642 T1	31-12-2004
			TR 200201473 T2	23-09-2002
			TR 200401772 T4	21-09-2004
			TW 555753 B	01-10-2003
			US 6518290 B1	11-02-2003
			ZA 200204241 A	02-07-2003
US 6528525	B1	04-03-2003	AU 738134 B2	06-09-2001
			AU 9279898 A	27-04-1999
			BR 9813019 A	05-09-2000
			CA 2305808 A1	15-04-1999
			CN 1280561 A	17-01-2001
			EP 1026149 A1	09-08-2000
			HU 0003881 A2	29-01-2001
			ID 24376 A	13-07-2000
			WO 9918066 A1	15-04-1999
			NO 20001689 A	31-05-2000
			NZ 503712 A	25-07-2003
			PL 339660 A1	02-01-2001
			RU 2176999 C2	20-12-2001
			TR 200000896 T2	21-09-2000
			US 2004006141 A1	08-01-2004
WO 9731907	A	04-09-1997	AP 780 A	22-11-1999
			AT 205485 T	15-09-2001
			AU 717699 B2	30-03-2000
			AU 2093597 A	16-09-1997
			BG 102792 A	31-08-1999
			BR 9707786 A	27-07-1999
			CA 2247443 A1	04-09-1997
			CN 1218460 A ,C	02-06-1999
			CY 2319 A	14-11-2003
			CZ 9802750 A3	13-01-1999
			DE 69706658 D1	18-10-2001
			DE 69706658 T2	20-06-2002
			DK 888317 T3	21-01-2002
			EA 1403 B1	26-02-2001
			EE 9800288 A	15-02-1999
			WO 9731907 A1	04-09-1997

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/012965

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9731907	A	EP 0888317 A1	07-01-1999
		ES 2163125 T3	16-01-2002
		HK 1015369 A1	15-02-2002
		HR 970110 A1	30-04-1998
		HU 0004845 A2	28-05-2001
		ID 15985 A	21-08-1997
		IL 125796 A	14-06-2001
		JP 3255930 B2	12-02-2002
		JP 2000507216 T	13-06-2000
		NO 983940 A	27-10-1998
		NZ 331381 A	23-06-2000
		OA 10843 A	14-08-2001
		PL 328871 A1	01-03-1999
		PT 888317 T	28-03-2002
		SI 888317 T1	30-04-2002
		SK 116398 A3	13-04-1999
		TR 9801707 T2	21-12-1998
		US 6294580 B1	25-09-2001
		ZA 9701645 A	10-12-1997